

Title (en)

A liquid delivery system with vapour recovery.

Title (de)

Flüssigkeitabgabevorrichtung mit Dampfrückgewinnung.

Title (fr)

Installation de distribution de liquide avec récupération de vapeurs.

Publication

EP 0577890 A1 19940112 (EN)

Application

EP 92306271 A 19920708

Priority

- US 62589290 A 19901211
- US 82470292 A 19920121

Abstract (en)

A system for recovering vapour emerging from a tank, (12), to which liquid is being delivered wherein a vapour pump (24) sucks vapour from the tank with a volumetric flow that is equal to the volumetric flow of the liquid as modified in dependence upon signals indicative of the temperature of liquid entering the tank and vapour in the tank, so as to compensate for the change in volume of the emerging vapour (15) caused by heat exchange with the liquid entering the tank, and apparatus (26) for measuring the actual vapour flow and adjusting the volumetric flow of the vapour pump so that it is equal to the flow required for ideal compensation. <IMAGE>

IPC 1-7

B67D 5/06; **B67D 5/32**; **B67D 5/378**

IPC 8 full level

B67D 5/04 (2006.01); **B67D 5/32** (2006.01); **B67D 7/04** (2010.01); **B67D 7/32** (2010.01)

CPC (source: EP US)

B67D 7/0486 (2013.01 - EP US); **B67D 7/32** (2013.01 - EP US)

Citation (search report)

- [X] FR 2641267 A1 19900706 - NUOVO PIGNONE SPA [IT]
- [A] EP 0431873 A1 19910612 - GILBARCO INC [US]
- [AD] US 5040577 A 19910820 - POPE KENNETH L [US]

Cited by

EP1460033A1; FR2737717A1; FR2736340A1; GB2352437A; GB2352437B; DE10035645B4; WO9832693A1; WO9702208A1; WO9706095A1

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DE DK ES FR GB SE

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US 5156199 A 19921020; DK 0577890 T3 19950904; EP 0577890 A1 19940112; EP 0577890 B1 19950426; ES 2071438 T3 19950616

DOCDB simple family (application)

US 82470292 A 19920121; DK 92306271 T 19920708; EP 92306271 A 19920708; ES 92306271 T 19920708